

System Method and Apparatus for a Three-Line Balun with Power Amplifier Bias

ABSTRACT OF THE DISCLOSURE

5 A balun that includes a first conductor, a second conductor and a third
conductor. The first conductor has a length of about one quarter wavelength of a
selected center frequency. The first conductor also has a first end connected to a first
balanced power amplifier output port. The second conductor has a length of about one
quarter wavelength of the selected center frequency. The second conductor also
10 includes a first end connected to a second balanced power amplifier output port and a
second end connected a second end of the first conductor. The third conductor has a
length of about one quarter wavelength of the selected center frequency. The third
conductor has a first end connected to an antenna port and a second end connected to a
ground potential.

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